

**S1 Table: List of Declarative Papers (N=405)**

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| Elevated age-related cortical iron, ferritin and amyloid plaques in APP(swe)/PS1(deltaE9) transgenic mouse model of Alzheimer's disease   | 32118475    |
| Gene delivery of a modified antibody to A $\beta$ reduces progression of murine Alzheimer's disease   | 31887144    |
| Mouse brain proteomics establishes MDGA1 and CACHD1 as in vivo substrates of the Alzheimer protease BACE1   | 31908000    |
| Genetic perturbations of disease risk genes in mice capture transcriptomic signatures of late-onset Alzheimer's disease   | 31878951    |
| Dampened Slow Oscillation Connectivity Anticipates Amyloid Deposition in the PS2APP Mouse Model of Alzheimer's Disease  | 31878336    |
| Synergistic effects of APOE and sex on the gut microbiome of young EFAD transgenic mice   | 31861986    |
| Circular RNA NF1-419 enhances autophagy to ameliorate senile dementia by binding Dynamin-1 and Adaptor protein 2 B1 in AD-like mice   | 31860870    |
| Testing a MultiTEP-based combination vaccine to reduce A $\beta$ and tau pathology in Tau22/5xFAD bigenic mice  | 31847886    |
| Electroacupuncture attenuates cognition impairment via anti-neuroinflammation in an Alzheimer's disease animal model  | 31836020    |
| EphA4 loss improves social memory performance and alters dendritic spine morphology without changes in amyloid pathology in a mouse model of Alzheimer's disease                        | 31831046    |
| MouseBytes, an open-access high-throughput pipeline and database for rodent touchscreen-based cognitive assessment  | 31825307    |
| Tau- but not A $\beta$ -pathology enhances NMDAR-dependent depotentiation in AD-mouse models  | 31815648    |
| C5aR agonist enhances phagocytosis of fibrillar and non-fibrillar A $\beta$ amyloid and preserves memory in a mouse model of familial Alzheimer's disease                               | 31809505    |
| Brain targeting of 9c,11t-Conjugated Linoleic Acid, a natural calpain inhibitor, preserves memory and reduces A $\beta$ and P25 accumulation in 5XFAD mice                              | 31804596    |
| Pharmacological inhibition of G9a/GLP restores cognition and reduces oxidative stress, neuroinflammation and $\beta$ -Amyloid plaques in an early-onset Alzheimer's disease mouse model | 31804189    |
| Suppressing aberrant phospholipase D1 signaling in 3xTg Alzheimer's disease mouse model promotes synaptic resilience  | 31797996    |
| Heterozygous CX3CR1 Deficiency in Microglia Restores Neuronal $\beta$ -Amyloid Clearance Pathways and Slows Progression of Alzheimer's Like-Disease in PS1-APP Mice                     | 31849963    |
| High Dietary Iron Disrupts Iron Homeostasis and Induces Amyloid- $\beta$ and Phospho- $\tau$ Expression in the Hippocampus of Adult Wild-Type and APP/PS1 Transgenic Mice               | 31373375    |
| Epigenetic mechanisms underlying the effects of triptolide and tripchlorolide on the expression of neuroligin-1 in the hippocampus of APP/PS1 transgenic mice                           | 31311385    |
| A high-sucrose diet aggravates Alzheimer's disease pathology, attenuates hypothalamic leptin signaling, and impairs food-anticipatory activity in APPswe/PS1dE9 mice                    | 31879131    |

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| Berberine mitigates cognitive decline in an Alzheimer's Disease Mouse Model by targeting both tau hyperphosphorylation and autophagic clearance                         | 31810131 |
| Optogenetic gamma stimulation rescues memory impairments in an Alzheimer's disease mouse model  | 31757962 |
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| Chemerin-9 Peptide Enhances Memory and Ameliorates A $\beta$ (1-42)-Induced Object Memory Impairment in Mice  | 31748466 |
| Early Hippocampal Sharp-Wave Ripple Deficits Predict Later Learning and Memory Impairments in an Alzheimer's Disease Mouse Model  | 31747587 |
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| Tau deletion reduces plaque-associated BACE1 accumulation and decelerates plaque formation in a mouse model of Alzheimer's disease                                      | 31701556 |
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| Knockout of p75 neurotrophin receptor attenuates the hyperphosphorylation of Tau in pR5 mouse model   | 31479419 |
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| Gestational Stress Augments Postpartum $\beta$ -Amyloid Pathology and Cognitive Decline in a Mouse Model of Alzheimer's Disease   | 30561536 |
| Icariin improves the cognitive function of APP/PS1 mice via suppressing endoplasmic reticulum stress  | 31400352 |
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| Fecal microbiota transplantation alleviated Alzheimer's disease-like pathogenesis in APP/PS1 transgenic mice  | 31383855 |
| Twendee X Ameliorates Phosphorylated Tau, $\alpha$ -Synuclein and Neurovascular Dysfunction in Alzheimer's Disease Transgenic Mice With Chronic Cerebral Hypoperfusion  | 31383622 |
| Late-stage Anle138b treatment ameliorates tau pathology and metabolic decline in a mouse model of human Alzheimer's disease tau   | 31370885 |
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| Intranasal insulin activates Akt2 signaling pathway in the hippocampus of wild-type but not in APP/PS1 Alzheimer model mice  | 30554086 |
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| Granulocyte-macrophage colony-stimulating factor neuroprotective activities in Alzheimer's disease mice   | 29573847 |
| Nav1.1-Overexpressing Interneuron Transplants Restore Brain Rhythms and Cognition in a Mouse Model of Alzheimer's Disease   | 29551491 |
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| Early long-term administration of the CSF1R inhibitor PLX3397 ablates microglia and reduces accumulation of intraneuronal amyloid, neuritic plaque deposition and pre-fibrillar oligomers in 5XFAD mouse model of Alzheimer's disease | 29490706 |
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| NAD(+) supplementation normalizes key Alzheimer's features and DNA damage responses in a new AD mouse model with introduced DNA repair deficiency   | 29432159 |
| Tau passive immunization blocks seeding and spread of Alzheimer hyperphosphorylated Tau-induced pathology in 3 × Tg-AD mice   | 29386065 |
| Ultramicronized palmitoylethanolamide rescues learning and memory impairments in a triple transgenic mouse model of Alzheimer's disease by exerting anti-inflammatory and neuroprotective effects | 29382825 |
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| Intracellular Ca(2+) stores control in vivo neuronal hyperactivity in a mouse model of Alzheimer's disease  | 29358403 |
| Dietary Total Prenylflavonoids from the Fruits of Psoralea corylifolia L. Prevents Age-Related Cognitive Deficits and Down-Regulates Alzheimer's Markers in SAMP8 Mice                            | 29346315 |
| Diverse Brain Myeloid Expression Profiles Reveal Distinct Microglial Activation States and Aspects of Alzheimer's Disease Not Evident in Mouse Models   | 29346778 |
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| Comprehensive Characterization of the Pyroglutamate Amyloid- $\beta$ Induced Motor Neurodegenerative Phenotype of TBA2.1 Mice   | 29578479 |
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| Reduced blood-brain barrier expression of fatty acid-binding protein 5 is associated with increased vulnerability of APP/PS1 mice to cognitive deficits from low omega-3 fatty acid diets | 29105065 |
| Hippocampal phosphorylated tau induced cognitive decline, dendritic spine loss and mitochondrial abnormalities in a mouse model of Alzheimer's disease                                    | 29040533 |
| Enriched physical environment reverses spatial cognitive impairment of socially isolated APPswe/PS1dE9 transgenic mice before amyloidosis onset   | 29274291 |
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| Neuroinflammation Appears Early on PET Imaging and Then Plateaus in a Mouse Model of Alzheimer Disease  | 28986511 |
| Atypical PKC, PKC $\lambda$ /1, activates $\beta$ -secretase and increases A $\beta$ (1-40/42) and phospho-tau in mouse brain and isolated neuronal cells, and may link hyperinsulinemia and other aPKC activators to development of pathological and memory abnormalities in Alzheimer's disease | 29032894 |
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